

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	46	tert\$6 near2 amine with salt with (\$8phosphate or \$8phosphoric near acid) same (acrylate or methacrylate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 09:26
L3	127	tert\$6 near2 amine with salt with (\$8phosphate or \$8phosphoric near acid) same polymeri\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 09:24
L4	26	l2 not L3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 09:25
L5	461	amine near3 salt with (\$8phosphate or \$8phosphoric near acid) same polymeri\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 09:30
L6	197	amine near3 salt with (\$8phosphate or \$8phosphoric near acid) near3 ester same polymeri\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 09:37
L7	7	amine near3 salt with (monoalkyl or dialkyl or alkyl) near2 (phosphoric near acid) same polymeri\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 09:43
L8	6	amine near3 salt with (\$4alkylphosphoric near acid) same polymeri\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 09:44
S1	59	guenther near ittmann.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:33
S2	520	zelec\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:47
S3	226	zelec\$2 and (phosphoric or phosphate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:46
S4	253	zelec\$2 and (phosphoric or phosphate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:46
S5	103	zelec\$2 with (phosphoric or phosphate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:46
S6	28	zelec\$2 same (trialkylamine or triethylamine or trimethylamine or tributylamine or (\$3triethyl or tributyl or trimethyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:49
S7	27	zelec\$2 same (trialkylamine or triethylamine or trimethylamine or tributylamine or (\$3triethyl or tributyl or trimethyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:54

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S8	29	zelec\$4 same (trialkylamine or triethylamine or trimethylamine or tributylamine or (\$3triethyl or tributyl or trimethyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:50
S9	59	zelec\$4 same salt	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:51
S10	52560	(\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near3 \$5phosphate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:53
S11	176529	(trialkylamine or triethylamine or \$4trimethylamine or \$4tributylamine or (\$3triethyl or \$5tributyl or \$5trimethyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:55
S12	192403	(trialkylamine or triethylamine or \$4trimethylamine or \$4tributylamine or \$4propylamine or (\$4propyl or \$3triethyl or \$5tributyl or \$5trimethyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:55
S13	191010	(trialkylamine or triethylamine or \$4trimethylamine or \$4tributylamine or \$4propylamine or (\$4tripropyl or \$3triethyl or \$5tributyl or \$5trimethyl or \$4trialkyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 11:56
S14	1246	(\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near3 \$5phosphate same (trialkylamine or triethylamine or \$4trimethylamine or \$4tributylamine or \$4propylamine or (\$4tripropyl or \$3triethyl or \$5tributyl or \$5trimethyl or \$4trialkyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:08
S15	43	S14 same (acrylate or monomer or polymeriz)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:01
S16	58	S14 same (acrylate or monomer or polymeriz\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:02
S17	20	(\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near3 \$5phosphate same (trialkylamine or triethylamine or \$4trimethylamine or \$4tributylamine or \$4propylamine or (\$4tripropyl or \$3triethyl or \$5tributyl or \$5trimethyl or \$4trialkyl) near amine) same stabili\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:12
S18	676	S14 and stabili\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:09
S19	1176	(\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near3 \$5phosphate same (trialkylamine or triethylamine or \$4trimethylamine or \$4tributylamine or \$4tripropylamine or (\$4tripropyl or \$3triethyl or \$5tributyl or \$5trimethyl or \$4trialkyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:26
S20	1493	(\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near3 (\$5phosphate or \$5phosphoric near acid) same (trialkylamine or triethylamine or \$4trimethylamine or \$4tributylamine or \$4tripropylamine or (\$4tripropyl or \$3triethyl or \$5tributyl or \$5trimethyl or \$4trialkyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:09
S21	150	S14 and stabili\$8 with (heat or flame or thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:30

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S22	146	S21 not S17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:23
S23	184	S20 and stabili\$8 with (heat or flame or thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:29
S24	38	S23 not (S22 or S17)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:23
S25	1990	(\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near3 \$5phosphate same ((quaternary or quarternary) near2 ammonium\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:27
S26	3428	(\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near3 \$5phosphate same ((quaternary or quarternary or salt) with ammonium\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:40
S27	3	"9916602"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:32
S28	15	S25 same stabili\$8 with (heat or flame or thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:29
S29	22	S25 same (stabili\$8 or resist\$5) with (heat or flame or thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:30
S30	217	S14 and (stabili\$8 or resist\$5) with (heat or flame or thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:47
S31	13	"2031914"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:36
S32	18	"4608407"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:36
S33	5551	(\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near4 (\$5phosphate \$5phosphoric near2 (acid or ester)) same ((quaternary or quarternary or salt) with ammonium\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:26
S34	2	"08034954"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:46
S35	12	"5419946"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:43
S36	1334	S33 and (stabili\$8 or resist\$5) with (heat or flame or thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 12:47

## EAST Search History

S37	65	S33 same (stabilizer or resist) with (heat or flame or thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:08
S38	17	"3472813"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:06
S39	3	quaternary with salt with alkyl with phosphate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:07
S40	2896	quaternary with salt with alkyl with phosphate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 07:37
S41	98	quaternary near salt near alkyl near phosphate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:08
S42	17	S41 and (stabilizer or resist) with (heat or flame or thermal)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:08
S43	90	quaternary near salt near alkyl near phosphate and (resin or polymer or plastic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:10
S44	110	quaternary near salt near alkyl near phosphate and (resin or polymer or plastic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:18
S45	3059	tertiary near ammonium	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:18
S46	26	tertiary near ammonium near halide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:18
S47	1783	(\$alkyl or \$methyl or \$ethyl or \$butyl or \$pentyl or \$hexyl or \$heptyl or \$nonyl or \$octyl) near (\$phosphate \$phosphoric near (acid or ester)) same (trialkylamine or triethylamine or \$trimethylamine or \$tributylamine or \$propylamine or \$tripropyl or \$triethyl or \$tributyl or \$trimethyl or \$trialkyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:26
S48	1485	trialkyl near ammonium	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:23
S49	1498	\$trialkyl near ammonium	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:23
S50	35	(\$alkyl or \$methyl or \$ethyl or \$butyl or \$pentyl or \$hexyl or \$heptyl or \$nonyl or \$octyl) near (\$phosphate \$phosphoric near (acid or ester)) with S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 13:23

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S51	952	(\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near4 (\$5phosphate \$5phosphoric near2 (acid or ester)) with (trialkylamine or triethylamine or \$4trimethylamine or \$4tributylamine or \$4propylamine or (\$4tripropyl or \$3triethyl or \$5tributyl or \$5trimethyl or \$4trialkyl) near amine)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:13
S52	20	(((\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near4 (\$5phosphate \$5phosphoric near2 (acid or ester)) with (trialkylamine or triethylamine or \$4trimethylamine or \$4tributylamine or \$4propylamine or (\$4tripropyl or \$3triethyl or \$5tributyl or \$5trimethyl or \$4trialkyl) near amine)) same polymeriz\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:16
S53	26	(((\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near4 (\$5phosphate \$5phosphoric near2 (acid or ester)) with (trialkylamine or triethylamine or \$4trimethylamine or \$4tributylamine or \$4propylamine or (\$4tripropyl or \$3triethyl or \$5tributyl or \$5trimethyl or \$4trialkyl) near amine)) same polymeri\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:24
S54	6	S53 not S52	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:24
S55	563	(524/556.ccls or 524/115.ccls. or 526/319.ccls)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:25
S56	2	S47 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:26
S57	152	(\$4alkyl or \$4methyl or \$4ethyl or \$5butyl or \$4pentyl or \$5hexyl or \$4heptyl or \$4nonyl or \$5octyl) near4 (\$5phosphate \$5phosphoric near2 (acid or ester)) and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:27
S58	526	(cast near polymeri\$8).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:29
S59	146	(cast near polymeri\$8).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/24 14:29
S60	0	aamonium with salt with (\$8phosphate or \$8phosphoric near acid) and mole near realeas\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 07:38
S61	0	aamonium with salt with (\$8phosphate or \$8phosphoric near acid) and mole near releas\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 07:38
S62	0	aamonium with salt with (\$8phosphate or \$8phosphoric near acid) and (mold or mould) near releas\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 07:38
S63	513	ammonium with salt with (\$8phosphate or \$8phosphoric near acid) and (mold or mould) near releas\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 07:39
S64	81	tertiary with ammonium with salt with (\$8phosphate or \$8phosphoric near acid) and (mold or mould) near releas\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 07:49

## EAST Search History

S65	7	tertiary with ammonium with salt with (\$8phosphate or \$8phosphoric near acid) same (mold or mould) near releas\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 07:41
S66	45	ammonium with salt with (\$8phosphate or \$8phosphoric near acid) same (mold or mould) near releas\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 07:40
S67	38	S66 not S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 07:41
S68	0	("6471905").URPN.	USPAT	OR	OFF	2007/05/25 07:47
S69	15	("3726952"   "3925527"   "4024088"   "4040992"   "4098731"   "4111861"   "4130698"   "4201847"   "4254228"   "4430453"   "4519965"   "4537832"   "4581386"   "5594088"   "5753730").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/25 07:48
S70	74	tertiary with amine with salt with (\$8phosphate or \$8phosphoric near acid) and (mold or mould) near releas\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 08:01
S71	64	S70 not S66	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 07:50
S72	127	tert\$6 near2 amine with salt with (\$8phosphate or \$8phosphoric near acid) same polymeri\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/05/25 09:18